## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims:**

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- 1 (original): A microinjector comprising:
- 5 a chamber for containing fluid;
  - an orifice in fluid communication with the chamber, the orifice disposed above the chamber;
  - an actuator disposed proximately adjacent the orifice and external to the chamber for ejecting fluid from the chamber;
- a metal plate disposed above the chamber; and a conduction channel for connecting the metal plate to ground.
  - 2 (original): The microinjector of claim 1, wherein the actuator comprises a first actuating component and a second actuating component for sequentially generating a first bubble and a second bubble respectively.
    - 3 (original): The microinjector of claim 2, wherein the first actuating component has a cross sectional area smaller than that of the second actuating component.
- 4 (original): The microinjector of claim 1 further comprising a manifold between a fluid tank and the chamber for passing fluid from the fluid tank to the chamber.
- 5 (original): The microinjector of claim 1 further comprising a driving circuit electrically connected to the actuator for controlling the actuator, an end of the driving circuit connected to the actuator via a metal connector.
  - 6 (original): The microinjector of claim 5, wherein the metal connector is made of a metal selected from a group consisting of aluminum, gold, copper, tungsten, and alloys of

Al-Si-Cu.

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- 7 (original): The microinjector of claim 1 further comprising a metal oxide semiconductor field effect transistor (MOSFET) electrically connected to the actuator via a metal connector.
- 8 (original): The microinjector of claim 1, wherein the conduction channel is made of a metal selected from a group consisting of gold and nickel.
- 9 (original): The microinjector of claim 5, wherein the driving circuit comprises MOSFETs, bipolar transistors, JFET transistors, or diodes.
  - 10 (new): The microinjector of claim 1, wherein the metal plate is made of a metal selected from a group consisting of gold and nickel.
  - 11 (new): The microinjector of claim 1 wherein the conduction channel extends through a passivation opening for connecting the metal plate to ground.
- 12 (new): The microinjector of claim 1 further comprising a metal layer disposed between the chamber and the metal plate.
  - 13 (new): The microinjector of claim 12 wherein the metal layer and the metal plate are both connected to ground.
- 25 14 (new): A method for reducing parasitic capacitance formed in a microinjector structure, comprising the steps of:

providing the microinjector, comprising:

a chamber for containing fluid;

an orifice in fluid communication with the chamber, the orifice disposed above

the chamber;

an actuator disposed proximately adjacent the orifice and external to the chamber for ejecting fluid from the chamber; and

a metal plate disposed above the chamber; and

- forming a conduction channel for connecting the metal plate to ground.
  - 15 (new): The method of claim 14 wherein the conduction channel extends through a passivation opening for connecting the metal plate to ground.
- 16 (new): The method of claim 14 further comprising forming a metal layer between the chamber and the metal plate.
  - 17 (new): The method of claim 16 wherein the metal layer and the metal plate are both connected to ground.
  - 18 (new): A method of providing shielding protection for a microinjector structure, comprising the steps of:

providing the microinjector, comprising:

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- a chamber for containing fluid;
- an orifice in fluid communication with the chamber, the orifice disposed above the chamber;
  - an actuator disposed proximately adjacent the orifice and external to the chamber for ejecting fluid from the chamber; and
  - a metal plate disposed above the chamber; and
- forming a conduction channel for connecting the metal plate to ground.
  - 19 (new): The method of claim 18 wherein the conduction channel extends through a passivation opening for connecting the metal plate to ground.

- 20 (new): The method of claim 18 further comprising forming a metal layer between the chamber and the metal plate.
- 21 (new): The method of claim 20 wherein the metal layer and the metal plate are both connected to ground.